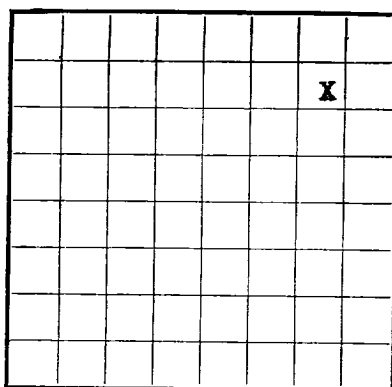


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **079893-A**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
JAN 24 1968
OIL CON. COM.
DIST. 3 DEPA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL.

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 29-4 Unit Field Blanco State New Mexico
Well No. 14-31 Sec. 31 T. 29N R. 4W Meridian N.M.P.M. County Rio Arriba
Location 1190 ft. NS of N Line and 990 ft. EW of E Line of Sec. 31 Elevation 7352

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Criminal Signed E. H. WOOD

Date January 21, 1958 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling _____, 19____ Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4153 to 4348 (G) No. 4, from 6466 to 6663 (G)
 No. 2, from 6155 to 6175 (G) No. 5, from 6175 to 6466 (G)
 No. 3, from 6175 to 6466 (G) No. 6, from 6466 to 6663 (G)

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4	32.75	P. E.	S.W.	161'	Howco				Surface
7 5/8	24.5	8 Rd.	J-55	6577'	Howco				Intermediate
5 1/2	19.5	8 Rd.	J-55	6539'	Howco				Prod. Csg.
2"	4.7	8 Rd.	J-55	6577'					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	175'	150	Circulated		
7 5/8 ¹¹	4426'	250	Single Stage		
5 1/2 ¹⁷	6649'	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See Well History.			

TOOLS USED

Gas Drilled

Rotary tools were used from 0 feet to 4430 feet, and from 4430 feet to 6680 feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----10-10-----, 19-57

Put to producing -----, 19-----

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours 1,243,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1137 SIPC** **Ch. Volume = 1523 MCF/D**

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3607	3607	Tan to gry cr-grn ss interbedded w/gry sh.
3607	3764	157	Ojo Alamo ss. White cr-grn s.
3764	3942	178	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3942	4153	211	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
4153	4348	195	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
4348	6155	1807	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
6155	6175	20	Cliff House ss. Gry, fine-grn, dense sil ss
6175	6466	291	Menefee form. Gry, fine-grn s, carb sh & coal.
6466	6663	197	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6663	6680	17	Mancos formation. Gry carb sh.

